

What is claimed is:

1. A body fluid flow control device comprising  
a resilient seal of substantially annular configuration;  
a frame extending within at least a portion of the resilient seal and including  
a passageway extending longitudinally through the frame and at least one  
5 longitudinally extending element having an insertion state and an anchoring state,  
the anchoring state being with the at least one longitudinally extending element  
outwardly of the insertion state, thereby expanding the portion of the resilient seal  
within which the frame extends, the passageway being inwardly of the at least one  
longitudinally extending element;

10 a valve body having bulk resilience and a passage therethrough resiliently  
biased closed by the bulk resilience and communicating with the passageway;

a valve support about the valve body and attached to the valve body  
and to the resilient seal, the passage being in communication with the passageway  
extending longitudinally through the frame.

2. The body fluid flow control device of claim 1, the resilient seal further  
including a skirt extending at least partially over the at least one longitudinally  
extending element to form a peripheral seal.

3. The body fluid flow control device of claim 1, the resilient seal further  
including a skirt extending within the at least one longitudinally extending element  
and having a cuff over one end of each of the at least one longitudinally extending  
element to form a peripheral seal.

4. The body fluid flow control device of claim 1, the resilient seal further

including a skirt extending fully over the frame.

5. The body fluid flow control device of claim 1, the passage having a predetermined fluid opening pressure.

6. The body fluid flow control device of claim 5, the fluid opening pressure being about 0.2 psi to 3.0 psi for urinary incontinence.

7. The body fluid flow control device of claim 5, the fluid opening pressure being about 0.005 psi to 1.0 psi for intervascular placement.

8. The body fluid flow control device of claim 1, the passage being a single slit.

9. The body fluid flow control device of claim 1, the resilient seal, the valve body and the valve support being one piece.

10. The body fluid flow control device of claim 1, the at least one longitudinally extending element being heat recoverable with a transition temperature range below a reasonable range of human body temperatures.

11. The body fluid flow control device of claim 1, the at least one longitudinally extending element being spring biased toward the anchoring state and being held in the insertion state by a release wire separable from the frame.

12. The body fluid flow control device of claim 1 further comprising a flap attached to the valve body adjacent the passage and extending over the passage to restrict flow to one direction through the passage.

13. The body fluid flow control device of claim 1 further comprising an elongate expander means for expanding the at least one longitudinally extending element from the insertion state to the anchoring state, the at least one

- longitudinally extending element defining a concavity receiving at least a portion of
- 5 the elongate expander means.

14. The body fluid flow control device of claim 13, the elongate expander means including a balloon at a distal end thereof with a passage extending substantially the length of the elongate expander means.

15. The body fluid flow control device of claim 13, the elongate expander means including an outer sheath into which the resilient seal and the frame are positionable in the insertion state and a ram extending within the sheath to engage the frame in the passageway extending longitudinally through the frame.

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